

# PATENT ABSTRACTS OF JAPAN

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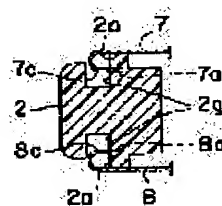
(21) Application number : 09-098743 (71) Applicant : MITSUBISHI ELECTRIC CORP  
 (22) Date of filing : 16.04.1997 (72) Inventor : ONODA SHIGEO  
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## (54) IC CARD AND ITS MANUFACTURE

### (57) Abstract:

**PROBLEM TO BE SOLVED:** To eliminate adverse influence on an external appearance of a card with advantage in view of a manufacturing cost by raising reliability of a fixed part in the case of fixing upper and lower panel members to a resin frame.

**SOLUTION:** This IC card comprises a pair of upper and lower metal panels 7, 8 fixed to upper and lower surfaces of a resin frame 2. In this case, protruding parts 2a of a predetermined height vertically protruding at a predetermined distance from an outer edge of the frame 2 are formed. Meanwhile, cutouts 7a, 8a to be engaged with the parts 2a are provided at the panels 7, 8, engaged with the corresponding parts 2a. The panels 7, 8 are pressurized from vertical direction under predetermined condition in the state that the panels 7, 8 are assembled with upper and lower surface sides of the frame 2. Thus, portion of the part 2a is deformed, and hence the panels 7, 8 are caulked and fixed to the frame 2.



## LEGAL STATUS

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## Patent Abstracts of Japan

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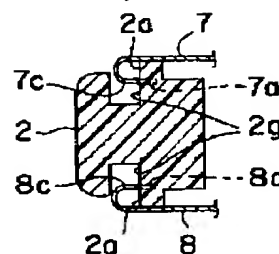
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APPLICATION NUMBER : 09098743

APPLICANT : MITSUBISHI ELECTRIC CORP;

INVENTOR : OBUCHI ATSUSHI;

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TITLE : IC CARD AND ITS MANUFACTURE



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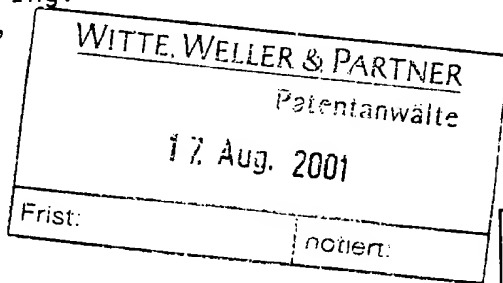
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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire

J.S.T. Mfg. Co., Ltd.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

6

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.

